What is claimed is:

1. A digital broadcast distribution signal
 2 distribution system comprising:

two or more distribution centers, communicably connected to one another through a communication line, each of said distribution centers for distributing a digital broadcast distribution signal, which has been created based on program information received in each said distribution center, to subscribers through a CATV (Community Antenna Television) network, for sending the digital broadcast distribution signal to another of said distribution centers and for receiving a digital broadcast distribution signal from another of said distribution centers; and subscriber terminals, each for receiving a

subscriber terminals, each for receiving a digital broadcast distribution signal distributed from one of the distribution centers through the CATV network so that a subscriber views a program,

each said distribution center including a signal replacement section for replacing the first-named digital broadcast distribution signal created based on the program information received in each said distribution center with the second-named digital broadcast distribution signal, which each said distribution center received from another of said distribution centers, and

each of said subscriber terminals including a distribution plan storage for retaining channel distribution plans, one representing distribution setting information of the first-named digital broadcast distribution signal of each said distribution center,

discriminating section for discriminating the one distribution center that has created the third-named digital broadcast distribution signal, which is received in each said subscriber terminal, and

a distribution center

a receiving section for changing, if the one distribution center is discriminated not to be a predetermined distribution center, NIT information of the third-named digital broadcast distribution signal based on the channel distribution plans of the one distribution center and the predetermined distribution center, and receiving the third-named digital broadcast distribution signal.

2. A digital broadcast signal distribution system according to claim 1, further comprising a local station, communicably connected to one of said distribution centers, for sending the third-digital

- broadcast distribution signal from the last-named one distribution center to subscribers downstream of said local station without changing at least PSI /SI (Program Specific Information/Service Information) of the third digital broadcast distribution signal.
- 1 A digital broadcast signal distribution system according to claim 1, wherein said signal 2 3 replacement section in each said distribution center replaces the first-named digital broadcast 4 distribution signal with the second-named digital 5 6 broadcast distribution signal in accordance with a 7 reception state of the first digital broadcast 8 distribution signal at each said distribution center.
- 1 A digital broadcast signal distribution 2 system according to claim 2, wherein said signal 3 replacement section in each said distribution center replaces the first-named digital broadcast 4 distribution signal with the second-named digital 5 broadcast distribution signal in accordance with a 6 7 reception state of the first digital broadcast 8 distribution signal at said each distribution center.
- 5. A digital broadcast signal distribution system according to claim 1, wherein the CATV network includes an optical fiber through which the

- 4 third-named digital broadcast distribution signal is
- 5 distributed to each said subscriber terminal.
- 1 6. A digital broadcast signal distribution
- 2 system according to claim 2, wherein the CATV network
- 3 includes an optical fiber through which the
- 4 third-named digital broadcast distribution signal is
- 5 distributed to each said subscriber terminal.
- 7. A digital broadcast signal distribution
- 2 system according to claim 3, wherein the CATV network
- 3 includes an optical fiber through which the
- 4 third-named digital broadcast distribution signal is
- 5 distributed to each said subscriber terminal.
- 8. A digital broadcast signal distribution
- 2 system according to claim 4, wherein the CATV network
- 3 includes an optical fiber through which the
- 4 third-named digital broadcast distribution signal is
- 5 distributed to each said subscriber terminal.
- 9. A digital broadcast signal distribution
- 2 system according to claim 5, wherein analog
- 3 transmission is performed on the third-named
- 4 broadcast distribution signal while being distributed
- 5 to each said subscriber terminal in the CATV network.

- 1 10. A digital broadcast signal distribution
- 2 system according to claim 6, wherein analog
- 3 transmission is performed on the third-named
- 4 broadcast distribution signal while being
- 5 distributed to each said subscriber terminal in the
- 6 CATV network.
- 1 11. A digital broadcast signal distribution
- 2 system according to claim 7, wherein analog
- 3 transmission is performed on the third-named
- 4 broadcast distribution signal while being
- 5 distributed to each said subscriber terminal in the
- 6 CATV network.
- 1 12. A digital broadcast signal distribution
- 2 system according to claim 8, wherein analog
- 3 transmission is performed on the third-named
- 4 broadcast distribution signal while being
- 5 distributed to each said subscriber terminal in the
- 6 CATV network.
- 1 13. A digital broadcast signal distribution
- 2 system according to claim 1, further comprising a
- 3 repeater for relaying the third-named digital
- 4 broadcast distribution signal in the CATV network.
- 1 14. A digital broadcast signal distribution

- 2 system according to claim 1, wherein the
- 3 communication line that communicably connects said
- 4 distribution centers is a ring network.
- 1 15. A digital broadcast signal distribution
- 2 system according to claim 1, wherein the first-named
- 3 digital broadcast distribution signal and the
- 4 second-named digital broadcast distribution signal
- 5 of each said distribution center are sent and
- 6 received through the communication line via Internet
- 7 Protocol (IP).
- 1 16. A digital broadcast signal distribution
- 2 system according to claim 1, wherein the third-named
- 3 digital broadcast distribution signal is
- 4 distributed to each said subscriber terminal by
- 5 using IP multicast.
- 1 17. A digital broadcast signal distribution
- 2 system according to claim 1, wherein each said
- 3 subscriber terminal further includes a distribution
- 4 plan obtaining section for obtaining the channel
- 5 distribution plans that are to be stored in said
- 6 distribution plan storage.
- 1 18. A subscriber terminal for receiving a
- 2 digital broadcast distribution signal from one of

- 3 a plurality of distribution centers, each of which
- 4 creates a digital broadcast distribution signal
- 5 based on program information received from a
- 6 provider, through a CATV (Community Antenna
- 7 Television) network so that a subscriber views a
- 8 program, said subscriber terminal comprising:
- 9 a distribution plan storage for retaining
- 10 channel distribution plans, one representing
- 11 distribution setting information of each of the
- 12 plural distribution centers;
- a distribution center discriminating section
- 14 for discriminating the one distribution center that
- has created the first-named digital broadcast
- 16 distribution signal received in said subscriber
- 17 terminal; and
- a receiving section for changing, if the one
- 19 distribution center is discriminated not to be a
- 20 predetermined distribution center, NIT information
- 21 of the first-named digital broadcast distribution
- 22 signal based on the channel distribution plans of
- 23 the one distribution center and the predetermined
- 24 distribution center, and receiving the first-named
- 25 digital broadcast distribution signal.
 - 1 19. A subscriber terminal according to
 - 2 claim 18, further including a distribution plan
 - 3 obtaining section for obtaining the channel

- 4 distribution plans that are to be stored in said
- 5 distribution plan storage.
- 1 20. A subscriber terminal according to claim
- 2 19, wherein said distribution plan obtaining section
- 3 obtains the channel distribution plans through the
- 4 CATV network.
- 1 21. A subscriber terminal according to claim
- 2 19, wherein:
- 3 each of the channel distribution plans is
- 4 distributed in the form of an Entitlement Management
- 5 Message (EMM) or an Entitlement Control Message
- 6 (ECM); and
- 7 said distribution plan obtaining section
- 8 obtains each of the channel distribution plans from
- 9 the EMM or the ECM.
- 1 22. A subscriber terminal according to claim
- 2 20, wherein:
- 3 each of the channel distribution plans is
- 4 distributed in the form of an Entitlement Management
- 5 Message (EMM) or an Entitlement Control Message
- 6 (ECM); and
- 7 said distribution plan obtaining section
- 8 obtains each of the channel distribution plans from
- 9 the EMM or the ECM.

- 23. A subscriber terminal according to claim
 19, wherein said distribution plan obtaining section
 is communicably connected to a local station through
 a public communication line and obtains the channel
 distribution plans through the public communication
 line.
- 24. A subscriber terminal according to claim
 19, wherein said distribution plan obtaining section
 is a recording medium reading section for reading
 the channel distribution plans from at least one
 recording medium in which the channel distribution
 plans are stored.
- 25. A subscriber terminal according to claim
 2 18, wherein said distribution center discrimination
 3 section discriminates the one distribution center
 4 based on a toll agency identification code.
- 26. A subscriber terminal according to claim
 18, wherein said distribution center discrimination
 section discriminates the one distribution center
 based on an agency code allocated by a Certification
 Authority (CA).
- 27. A subscriber terminal according to claim
 18, wherein said distribution center discrimination

- section discriminates the one distribution center
 based on a broadcast service type switching code
 (a network ID) or a service ID (S-ID) for a program
 selection, which broadcast service type switching
 code or service ID is input by an operator.
- 28. A subscriber terminal according to claim
 218, wherein, when said subscriber terminal is
 3 installed, the channel distribution plans are stored
 4 in said distribution plan storage.
- 29. A subscriber terminal according to claim
 19, wherein, when said subscriber terminal is
 installed, the channel distribution plans are stored
 in said distribution plan storage.
- 30. A subscriber terminal according to claim
 24, wherein, when said subscriber terminal is
 installed, the channel distribution plans are stored
 in said distribution plan storage.